



## 1. DATA SHEET

### CONTAINER

Type: Box  
UN Code: 4C1  
Nomenclature: Box, Wirebound  
Specification Number: Mil-B-46506  
Drawing Number: 9294598  
Material: Wood and wire  
Gross Weight: 200.0 pounds  
Outside Dimensions: 45 1/2 in. x 13 1/4 in. x 20 1/2 in.  
Inside Dimensions: 43 in. x 12 in. x 18 in.

### PRODUCT

Name: Demolition, Kit, Cratering: M180  
Drawing Number: 9244400  
United Nations Number: UN0181  
Physical State: Solid  
Amount per Container: 1

## 2. BACKGROUND, TESTS, AND RESULTS

Reference the following documents:

- a. United Nations Transport of Dangerous Goods, Sixth Edition
- b. Federal Register dated December 21, 1990
- c. Federal Register Notice dated February 21, 1991

The tests were conducted with a total weight of the loaded wirebound box of 223 pounds instead of a total weight of 200 pounds.

A Stacking Test was conducted on 3 containers with a weight of 2300 pounds for 24 hours. This weight exceeds the minimum requirement of a weight equivalent to a 10 foot stack height which is 1171 pounds.

A Loose Cargo Test was conducted IAW with the Federal Register on the same 3 containers. The packages were tested at a vibration table frequency such that the bottom of the packages were raised 1/16 inch from the platform.

A Four Foot Drop Test was conducted on one of the containers that was subjected to the Loose Cargo Test. One container was dropped five times at different orientations as follows: top, bottom, long side, short side, and a top corner at the closure. This exceeds the requirement of one drop per container.

Test results indicate that there was no leakage or spillage of the container following any of the tests conducted, and as such, meets the requirements of the Federal Register and The United Nations Transport of Dangerous Goods.

I. REPORT NUMBER: DOD POP HMTR/AYD 91-009

II. TITLE: Performance Oriented Packaging Report for Demolition Kit,  
Cratering: M180

AUTHOR: Frank M. Snizek

PERFORMING ACTIVITY: ARDEC

ADDRESS: Department of the Army  
ARDEC, SMCAR-AEP  
HQ, U.S. Army Armament, Munitions, and Chemical Command  
Picatinny Arsenal, NJ 07806-5000

DATE: 22 Aug 91

Approved for public release; Distribution is unlimited



|                    |              |
|--------------------|--------------|
| Accession For      |              |
| DTIC               | Special      |
| DTIC               | File         |
| Unannounced        |              |
| Justification      |              |
| By                 |              |
| Distribution       |              |
| Availability Codes |              |
| Dist               | Avail And/or |
| A-1                | Special      |